

# Notice of Allowability

Application No.

09/440,246

Examiner

Gregory G. Todd

Applicant(s)

GHEITH, AHMED

Art Unit

2157

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 05 December 2005.
2. ☒ The allowed claim(s) is/are 1-7,9,11-15,17,19,21-24,26-40 and 44-49.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
ARNO ETIENNE  
PRIMARY EXAMINER

### EXAMINER'S AMENDMENT

1. This is a fifth office action in response to applicant's appeal brief filed, 05 December 2005, of application filed, with the above serial number, on 15 November 1999 in which no claims have been amended. Claims 1-7, 9, 11-15, 17, 19, 21-24, 26-40 and 44-49 are therefore pending in the application.
2. Claims 1-7, 9, 11-15, 17, 19, 21-24, 26-40, and 44-49 are allowed.
3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
4. Authorization for this examiner's amendment was given in a telephone interview with Kent Chambers on 03 March 2006.

The application has been amended as follows:

Please amend claim 29 to read:

A method of caching and retrieving cached dynamically generated files that each include presentation information characterized by respective presentation states, wherein each dynamically generated file is associated with a file identifier that is derived from state information that describes contents of the associated dynamically generated electronic file and the file is operable to be provided by an application running on a server computer system to at least one client computer system, the method comprising:  
receiving a file request that includes state information based on selections of a user interacting with a web page using at least one client computer system;

determining whether the file request identifies one of the cached dynamically generated files;

retrieving the dynamically generated file identified by the file request and transmitting the file to the at least one client computer system if the file exists in the cache;

computing presentation information based on the state information in the file request when a dynamically generated file does not exist in the cache; and

saving the computed presentation information in a file in the cache, thus creating a dynamically generated file, and transmitting the dynamically generated file to the at least one client computer system.

Please amend claim 45 to read:

A dynamic content caching and retrieval system that facilitates reusability of dynamically generated electronic files, the system comprising:

a processor;

a computer readable medium coupled to the processor;

dynamically generated electronic files stored in a storage medium, each dynamically generated electronic file includes an identifier that identifies dynamically generated presentation information stored in the file; and

a computer readable representation received by the system from a client computer system, the computer readable representation having a presentation state signature based on a presentation state defined, at least in part, by one or more

Art Unit: 2157

parameters selected by a user interacting with a file displayed by the client computer system, wherein the computer readable representation is useful to identify one of the dynamically generated electronic files in which stored presentation information is associated with the presentation state upon which the signature is based;

wherein the computer readable medium includes a routine executable by the processor to determine if the presentation state signature of the computer readable representation identifies one of the dynamically generated electronic files stored in the storage medium of the system, to retrieve any identified dynamically generated electronic file and to serve the retrieved file to the client computer system.

Please amend claim 46 to read:

A dynamic content caching and retrieval system that facilitates reusability of cached dynamically generated electronic files, the system comprising:

means for caching the dynamically generated electronic files and associating a respective file identifier with each of the dynamically generated electronic files, wherein each file identifier is derived from state information that describes contents of the associated dynamically generated electronic file;

means for receiving a file request that includes information based on selections of a user interacting with a web page using at least one client computer system (at least col. 5, lines 55-60);

means for determining whether the file request identifies one of the cached dynamically generated electronic files (at least col. 5, lines 55-60);

means for retrieving the dynamically generated electronic file identified by the file request and transmitting the file to the at least one client computer system if the file exists in a cache (at least col. 5, lines 55-60);

means for computing presentation information based on the state information in the file request when a dynamically generated file does not exist in the cache; and

means for saving the computed presentation information in a file in the cache, thus creating a dynamically generated file, and transmitting the dynamically generated file to the at least one client computer system.

5. The following is an examiner's statement of reasons for allowance: The prior art of record fails to teach at least all the features of the independent claims. Such features not taught by the prior art include a presentation state signature based on a presentation state being defined, at least in part, by one or more parameters selected by a user interacting with the file being displayed to the client from the server, with the computer readable representation also being used to identify the file. The prior art of record fails to teach or suggest individually or in combination the claimed limitations. Therefore, claims 1-7, 9, 11-15, 17, 19, 21-24, 26-40, and 44-49 are allowed over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 2157

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory G. Todd whose telephone number is (571)272-4011. The examiner can normally be reached on Monday - Friday 9:00am-6:00pm w/ first Fridays off.

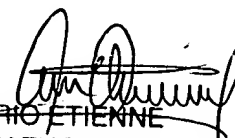
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (571)272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Gregory Todd

Patent Examiner

Technology Center 2100

  
ARIO ETIENNE  
PRIMARY EXAMINER